Graphing Linear Equations: Multiple-Choice Strategy

Original tasks 1, 2 / independent work

Task 1

A line crosses the y-axis at (0, -1) and passes through (3, 5). Which equation matches? A) y = 2x - 1 B) y = -2x - 1 C) y = 2x + 1 D) y = 0.5x - 1

Task 2

An equation is 4x + 2y = 6. Which graph description matches? A) slope 2, y-intercept 3 B) slope -2, y-intercept 3 C) slope -2, y-intercept 6 D) slope 0.5, y-intercept 3

Graphing Linear Equations: Multiple-Choice Strategy

Original tasks 3, 4 / independent work

Task 3

A line on a grid passes through (0, 4) and (4, 0). Which equation matches? A) y = x + 4 B) y = -x + 4 C) y = -x - 4 D) y = 4x + 4

Task 4

Which equation describes a line with slope 3 and y-intercept -2? A) y = -2x + 3 B) y = 3x - 2 C) y = 3x + 2 D) y = -3x - 2